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Ref: 405B-OD-105

23 July 1964

Post Office Box 8043
Southwest Station
Washington, D.C. 20024

Subject: Proposed Changes to the 405B Configuration

Enclosures: [] Proposal Estimate Sheets (1)

Gentlemen,

As a result of technical discussions between [] and government personnel the following changes are proposed to the configuration for the quantity of three (3) Model 405B Machines. The quotations attached hereto will remain valid for 30 days from date of this submittal. Predicated on receipt of authorization within that time, there will be no adverse effects on schedule for the present contract. If authorization is delayed past that time period, [] cannot accept authorization as part of the basic contract, but must propose such changes on a kit basis to be installed after delivery. The tasks proposed are as follows:

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TASK I - Re-design of the power cabinet. This cabinet is to be re-designed such that the top of the cabinet will be at approximately the same level as the film plane of the X-Y comparator. This change will also include addition of casters and associated mounting hardware to the cabinet; inclusion of the pump within the power cabinet; and inclusion of a blower Rotron muffin type, air filter, and baffles for cabinet cooling.

TASK IX - Modification of the projection light source. The projection light source will be modified such that only one projection system per chip will be used. Each projection system contains two (2) sets of condensing optics, which may be selected by the operator by use of a switch to be added to the control panel. This switch will actuate a motorized drive to change the condensing optics. The addition of this capability will allow the operator to select a small approximately 1/3" diameter high intensity spot for short time durations in place of the normally used lower brightness 1" diameter spot. The design objective for brightness of the high intensity spot is a visual illumination of the order of 2,000 ft. lamberts when viewing through the microscope at 200 power open gate (without film). The approximate power dissipation of the re-designed light source is 50 watts.

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TASK III - Re-design of the microscope positioning mechanism. In order to minimize backlash and provide a smoother more reliable positioning for the microscope, the positioning mechanism will be re-designed as follows:

The present gear box and the [] slides minus the racks will be re-designed. A central rack drive will be provided and the microscope casting will be changed to provide a rack positioning pad for the central drive and will utilize a steel worm and wheel.

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TASK IV - Addition of a Hand Rest. This includes design for and fabrication of hand rests for the three (3) Machines.

TASK V - In order to insure against excessive deceleration at the end of travel, slow-down switches will be provided approximately 1/4" from the ends of travel. The operator will also be made aware that the end of travel is being approached by the addition of an indicator light and buzzer.

The price associated with these tasks as estimated on a firm fixed price basis, in accordance with the terms and conditions of the present contract, is as follows:

TASK

I

II

III

IV

V

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[] Incorporated will be closed for vacation from July 27th through August 9th. However, should you have any questions in relation to the foregoing, please contact the undersigned, who can be reached at [] during the week of August 3rd.

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Very truly yours,

[]
Vice President - Marketing

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Encls: Cost Analysis Sheets - 0 (2 sets)

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